BRUHAT BANGALORE MAHANAGARA PALIKE
COMPARATIVE STATEMENT

Name of Work: CONSTRUCTION OF DRAINS AND CULVERTS IN THANISANDRA VILLAGE AND SARAIPALYA AND SURROUNDING AREAS IN WARD NO. 06, NEW WARD NO. 07.

Sanctioned Estimate Amount: Rs. 3,00,00,000.00

Sanctioned Tender Amount: Rs. 2,54,31,551.23

Operative Tender Premium 4.99% Above

Name of the Contractor: K Lakshmi Narayan Reddy

Sl. No	Description of Item	Unit	As per Sch.B			As per Modified Sch.B			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	savings	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount				
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.	Cum	2619.30	210.00	550053.00	2297.81	210.00	482540.84	2297.81	2297.81	210.00	482540.84	0.00	0.00	0.00	482540.84		67512.17	
2	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.	Cum	323.05	6320.00	2041676.00	305.92	6320.00	1933411.24	305.92	305.92	6320.00	1933411.24	0.00	0.00	0.00	1933411.24		108264.76	
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)	Cum	702.63	7200.00	5058936.00	614.25	7200.00	4422612.60	614.25	614.25	7200.00	4422612.60	0.00	0.00	0.00	4422612.60		636323.40	
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	T	44.41	104410.00	4636848.10	37.34	104410.00	3898387.39	37.34	37.34	104410.00	3898387.39	0.00	0.00	0.00	3898387.39		738460.71	

	Providing and Fixing pre cast covering Slab made out of CC 1 2 4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @ 70 mixed including providing and removing centering, shuttering, shuttering (ripping etc for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf Etc, Complete as directed by the Engineer In charge of Work	Sqm	1717.20	2150.00	3691980.00	1630.21	2150.00	3302851.50	1630.21	1630.21	2150.00	3302851.50	0.00	0.00	0.00	3302851.50		389128.50	
6	Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1 1 5 3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc .complete As per Engineer incharge	Sqm	204.30	5250.00	1387575.00	107.88	5250.00	566370.00	107.88	107.88	5250.00	566370.00	0.00	0.00	0.00	566370.00		821205.00	
7	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1 3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete ,complete as directed by the Engineer in Charge of the work	No	645.00	525.00	338625.00	619.00	525.00	324975.00	619.00	619.00	525.00	324975.00	0.00	0.00	0.00	324975.00		13650.00	
8	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces	Sqm	101.50	96.00	9744.00	97.48	96.00	9357.60	97.48	97.48	96.00	9357.60	0.00	0.00	0.00	9357.60		386.40	
9	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1 5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth	Cum	693.25	270.00	187177.50	1207.94	270.00	326143.46	1207.94	866.56	270.00	233971.88	341.38	300.27	102505.52	336477.40	149299.90		
10	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	415.95	2730.00	1135543.50	603.97	2730.00	1648836.39	603.97	519.94	2730.00	1419429.38	84.03	2764.81	232331.89	1651761.26	516217.76		
11	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications (The cost of steel reinforcement & formwork shall be paid separately) Mix 1 5 10 (M 5.0) Using 40 mm nominal size graded crushed coarse aggregates	Cum	415.95	5550.00	2308522.50	603.97	5550.00	3352030.03	603.97	519.94	5550.00	2885653.13	84.03	5611.61	471554.15	3357207.28	1048684.78		

12	...ding and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other ...e as per Clause 1501.2.2 M30 (Grade), coarse and ... aggregates conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No 1501 . as per the directions of the Engineer-in-charge of the work.	Cum	415.95	7450.00	3098827.50	603.97	7450.00	4499571.84	603.97	519.94	7450.00	3873534.38	84.03	7520.64	631973.79	4505508.16	1406680.66		
13	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 8 km	Cum	4240.06	105.00	445206.30	4487.36	105.00	471173.10	4487.36	4487.36	105.00	471173.10	0.00	0.00	0.00	471173.10	25966.80		
14	Providing and Filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications	Cum	9.00	2900.00	26100.00	0.00	2900.00	0.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00		26100.00	
15	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications	Sqm	69.84	1350.00	94284.00	0.00	1350.00	0.00	0.00	0.00	1350.00	0.00	0.00	0.00	0.00	0.00		94284.00	
16	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineerin- charge	Sqm	32.04	150.00	4806.00	0.00	150.00	0.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00		4806.00	
17	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA).	Cum	6.96	8200.00	57072.00	0.00	8200.00	0.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	0.00		57072.00	

	Thermo-Mechanically Treated bars of grade or more Steel reinforcement for R C C work ng straightening, cutting, bending, placing in on, binding and anchoring to adjacent members reever necessary complete as per Design including t of material, labour, usage charges complete as per specifications (The laps and wastages shall not be measured separately).	Kgs	834.75	100.00	83475.00	0.00	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00		83475.00	
19	Providing Lubi make 15 HP 3 Phase dewatering submersible pump with outlet 6" LHP 61535 @ 8 mtrs 240 m3/hr=4000 lpm 15HP	No	1.00	200552.85	200552.85	0.00	200552.85	0.00	0.00	0.00	200552.85	0.00	0.00	0.00	0.00	0.00		200552.85	
20	Providing 160 mm PVC pipe 6 kg/sqcm	Mtr	15.00	920.00	13800.00	0.00	920.00	0.00	0.00	0.00	920.00	0.00	0.00	0.00	0.00	0.00		13800.00	
21	Providing and fixing 160 mm PVC elbow	No	5.00	540.00	2700.00	0.00	540.00	0.00	0.00	0.00	540.00	0.00	0.00	0.00	0.00	0.00		2700.00	
22	Providing and fixing 160 mm PVC collar	No	3.00	370.00	1110.00	0.00	370.00	0.00	0.00	0.00	370.00	0.00	0.00	0.00	0.00	0.00		1110.00	
23	Provding and fixing 160 mm PVC ball wall	No	2.00	4500.00	9000.00	0.00	4500.00	0.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00		9000.00	
24	Providing and fixing MS gate of size 0.6x0.6 mtr	No	1.00	9400.00	9400.00	0.00	9400.00	0.00	0.00	0.00	9400.00	0.00	0.00	0.00	0.00	0.00		9400.00	
25	Providing MS cover with frame of size 0.9x0.9 mtr	No	1.00	8300.00	8300.00	0.00	8300.00	0.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	0.00		8300.00	
26	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm	Mtr	20.00	157.05	3141.00	0.00	157.05	0.00	0.00	0.00	157.05	0.00	0.00	0.00	0.00	0.00		3141.00	
27	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm	Mtr	20.00	12.44	248.80	0.00	12.44	0.00	0.00	0.00	12.44	0.00	0.00	0.00	0.00	0.00		248.80	
28	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694 2010 3C x 6 mm2	Mtr	30.00	253.37	7601.10	0.00	253.37	0.00	0.00	0.00	253.37	0.00	0.00	0.00	0.00	0.00		7601.10	
29	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate hold in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	1.00	9046.08	9046.08	0.00	9046.08	0.00	0.00	0.00	9046.08	0.00	0.00	0.00	0.00	0.00		9046.08	
30	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cIA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc , complete	Sqcm	22000.00	0.40	8800.00	0.00	0.40	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00		8800.00	
31	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc , complete as per specification, with testing of as per instructions of engineer incharge of work.	Job	1.00	1400.00	1400.00	0.00	1400.00	0.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00		1400.00	

	NPLASTICISED PVC pipes conforming to 013 with latest amendments ended with ockets with ISI mark and conveying to , rolling and lowering into trenches, laying true and level and perfect linking at joints, testing and mmissioning, including loading and unloading at both stinations and cuts of pipes wherever necessary including jointing of UPVC pipes (with cost of olastomeric sealing rings) and specials (excluding cost of specials) with jointing of approved type, with all labour, load & lifts, including encasing the pipes alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (contractor will make his own arrangements for procuring water for testing) etc	Mtr				578.90	214.18	123988.57	578.90	578.90	214.18	123988.57	0.00	0.00	0.00	123988.57	123988.57		
E2	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications (KPWD SR 2021-22, Volume-I, Item No.1.10, Page No.7)	Cum				277.87	140.90	39151.21	277.87	277.87	140.90	39151.21	0.00	0.00	0.00	39151.21	39151.21		
	TOTAL				**25431551.23**							**23987407.80**			**1438365.35**	**25425773.16**	**3309989.69**	**3315767.77**	

Total Sanctioned Tender Amount	**Rs. 2,54,31,551.23**
Total cost of the project after Work slip and EIRL	**Rs. 2,54,25,773.16**
Net Savings Amount	**Rs. 5,778.07**
Total % Savings to the Tendered Amount	**0.023%**

Hence there is no Extra Financial Implication to BBMP.

Agency

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W- 07
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

AEE
Sub Division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು-26

Executive Engineer
Byatarayanapura Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ